

RNA expression (in relative units)

encoded gene product	Con.	Seq 1				Seq 2				Seq 3				Seq 4			
		O	U	C		O	U	C		O	U	C		O	U	C	
transcription factor 1	100	100	100	0		100	100	0		100	100	0		100	100	0	
transcription factor 2	100	30	200	0/170		100	100	0		100	100	0		100	300	0/200	
etc...	100	100	100	0		100	100	0		100	100	0		100	100	0	
etc...	100	100	100	0		100	100	0		100	100	0		100	100	0	
transcription repressor 1	100	30	200	0/170		100	100	0		100	100	0		100	100	0	
transcription repressor 2	100	200	30	170/0		100	100	0		100	100	0		100	100	0	
etc...	100	100	100	0		100	100	0		100	100	0		100	100	0	
etc...	100	100	100	0		100	100	0		100	100	0		100	100	0	
kinase 1	100	100	100	0		100	100	0		100	100	0		100	100	0	
kinase 2	100	100	100	0		100	100	0		100	100	0		100	100	0	
etc...	100	100	100	0		100	100	0		100	100	0		100	100	0	
etc...	100	100	100	0		100	100	0		100	100	0		100	100	0	
structural protein 1	100	100	100	0		300	90	210/0		100	100	0		100	100	0	
structural protein 2	100	100	100	0		100	100	0		100	100	0		100	100	0	
etc...	100	100	100	0		100	100	0		100	100	0		100	100	0	
etc...	100	100	100	0		100	100	0		100	100	0		100	100	0	
oxidoreductase 1	100	100	100	0		100	100	0		20	105	0/85		20	105	0/85	
oxidoreductase 2	100	100	100	0		100	100	0		100	100	0		100	100	0	
etc...	100	100	100	0		100	100	0		100	100	0		100	100	0	
etc...	100	100	100	0		100	100	0		100	100	0		100	100	0	
receptor 1	100	100	100	0		100	100	0		20	105	0/85		20	105	0/85	
receptor 2	100	100	100	0		100	100	0		100	100	0		100	100	0	
etc...	100	100	100	0		100	100	0		100	100	0		100	100	0	
etc...	100	100	100	0		100	100	0		100	100	0		100	100	0	
secreted protein 1	100	100	100	0		100	100	0		20	105	0/85		20	105	0/85	
secreted protein 2	100	100	100	0		100	100	0		100	100	0		100	100	0	
etc...	100	100	100	0		100	100	0		100	100	0		100	100	0	
etc...	100	100	100	0		100	100	0		100	100	0		100	100	0	
all known sequences	100	100	100	0		100	100	0		100	100	0		100	100	0	
etc...	100	100	100	0		100	100	0		100	100	0		100	100	0	
etc...	100	100	100	0		100	100	0		100	100	0		100	100	0	
unknown sequences (e.g. Seq 1)	100	300	0	300/0		100	100	0		100	100	0		100	100	0	
Seq 2	100	100	100	0		300	0	300/0		100	100	0		100	100	0	
Seq 3	100	100	100	0		300	90	210/0		300	0	300/0		100	100	0	
Seq 4	100	100	100	0		100	100	0		100	100	0		150	50	100/50	
etc...	100	100	100	0		100	100	0		100	100	0		100	100	0	

"Con" = control cell expression

"O" = overexpression

"U" = underexpression

"C" = combined effect

Figure 1